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APPLICATION NO.	F	ILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/692,552	0/692,552 10/23/2003		Edward P. Osburn	P15955	1153
25694	7590	08/25/2005		EXAMINER	
INTEL CO	RPORA	TION	VU, BAO Q		
P.O. BOX 5326 SANTA CLARA, CA 95056-5326				ART UNIT	PAPER NUMBER
SALVIA CE	Dintin Obinai, On 1000			2838	
				DATE MAILED: 08/25/2005	

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)				
	10/692,552	OSBURN ET AL.				
Office Action Summary	Examiner	Art Unit				
	Bao Q. Vu	2838				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply						
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).						
Status						
1) Responsive to communication(s) filed on 8-8-0	<u>5</u> .					
2a)⊠ This action is FINAL . 2b)☐ This	This action is FINAL . 2b) ☐ This action is non-final.					
• • • • • • • • • • • • • • • • • • • •	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.						
Disposition of Claims						
4) Claim(s) 1-33 is/are pending in the application.						
4a) Of the above claim(s) is/are withdrawn from consideration.						
5) Claim(s) is/are allowed.						
6)⊠ Claim(s) <u>1-33</u> is/are rejected.						
7) Claim(s) is/are objected to.						
8) Claim(s) are subject to restriction and/or election requirement.						
Application Papers						
9)☐ The specification is objected to by the Examine	r.					
10) The drawing(s) filed on is/are: a) □ acc	epted or b) objected to by the	Examiner.				
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).						
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.						
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).						
a) ☐ All b) ☐ Some * c) ☐ None of: 1. ☐ Certified copies of the priority documents have been received.						
Certified copies of the priority documents have been received in Application No						
3. Copies of the certified copies of the priority documents have been received in this National Stage						
application from the International Bureau (PCT Rule 17.2(a)).						
* See the attached detailed Office action for a list of the certified copies not received.						
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Attachment(s)						
1) Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) 1) Interview Summary (PTO-413) Paper No(s)/Mail Date						
3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)	5) 🔲 Notice of Informal F	Patent Application (PTO-152)				
Paper No(s)/Mail Date 6) Other:						

Art Unit: 2838

DETAILED ACTION

Claim Rejections - 35 USC § 103

- 1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 2. Claims 1-5, 12-14, 24 and 25 are rejected under 35 U.S.C. 103(a) as being unpatentable over Isaac et al. (USP 6,327,663) in view Wells et al. (USP 6,534,960). Isaac discloses the claimed invention, a voltage regulator is couple to the output path, and has a sensing that senses the load on the motherboard and the CPU (load) voltage on the motherboard, (See abstract and column 2, lines 14-68) except for having first and second feedback signals that at least partially represent fluctuations in the power consumption rate. Wells discloses that it is known in the art to provide a first and second feedback signals that at least partially represent fluctuations in the power consumption rate. It would have been obvious to one having ordinary skill in the art at the time of the invention was made to provide a first and second feedback signals that at least partially represent fluctuations in the power consumption rate of Wells with the voltage regulator is couple to the output path, and has a sensing that senses the load on the motherboard and the CPU (load) voltage on the motherboard of Isaac, in order to provide good balancing of load current.

Application/Control Number: 10/692,552

Art Unit: 2838

Page 3

3. Claims 6-11, 15-23, 26-33 are rejected under 35 U.S.C. 103(a) as being unpatentable over Isaac et al. (USP 6,327,663) view Wells et al. (USP 6,534,960) and further in view of Dinh (USP 6,262,566). Isaac and Wells discloses the claimed invention, Isaac discloses a voltage regulator is couple to the output path, Wells discloses that it is known in the art to provide a first and second feedback signals that at least partially represent fluctuations in the power consumption rate, and Isaac also has a sensing that senses the load on the motherboard and the CPU (load) voltage on the motherboard. See abstract and column 2, lines 14-68, except for the use of transient type filters for the feedback signal. Dinh discloses that it is known in the art to provide the use of transient type filters for the feedback signal. It would have been obvious to one having ordinary skill in the art at the time of the invention was made to provide the use of transient type filters for the feedback signal of Dinh with the system and method for a dual voltage sensor of Isaac and the a first and second feedback signals that at least partially represent fluctuations in the power consumption rate of Wells, in order to provide a cleaner feedback signal for a more precise control of the output voltage.

Response to Arguments

4. Applicant's arguments with respect to the claims have been considered but are moot in view of the new ground(s) of rejection.

Art Unit: 2838

Conclusion

5. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Bao Q. Vu whose telephone number is (571) 272-2088. The examiner can normally be reached on Monday-Fridays, 8:00AM- 5:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael S. Sherry can be reached on (571) 272-2084. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Application/Control Number: 10/692,552

Art Unit: 2838

Page 5

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Bao Q. Vu

Primary Examiner

Art Unit 2838

August 19, 2005

7

3